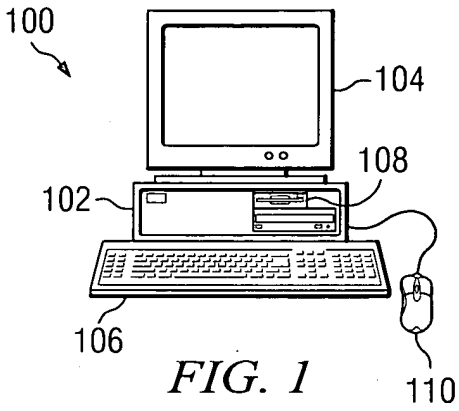

FIG. 1

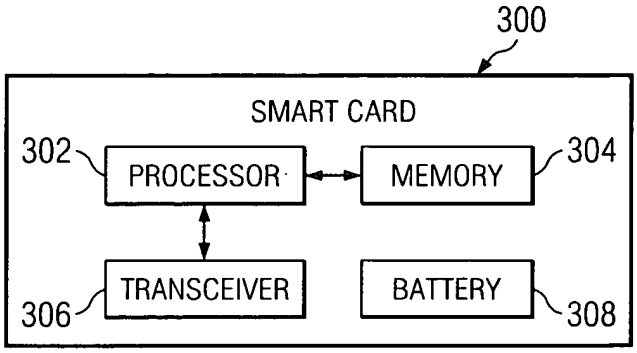

FIG. 3

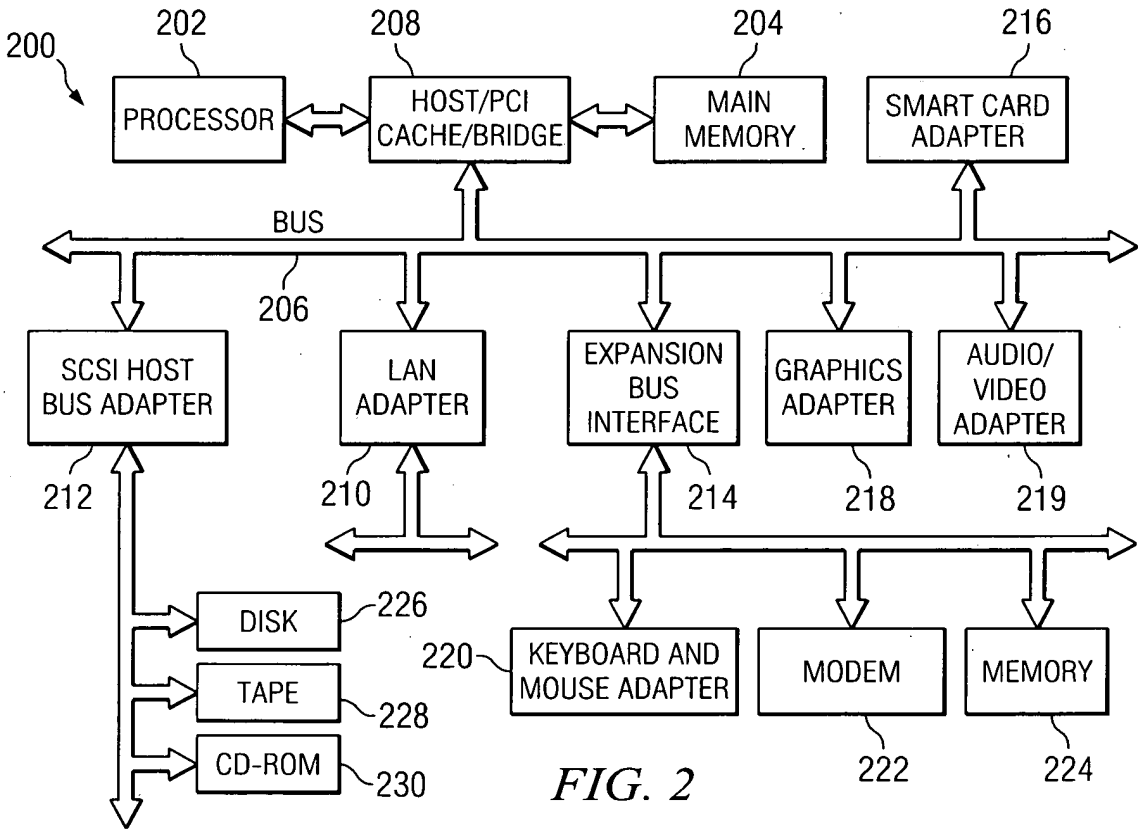

FIG. 2

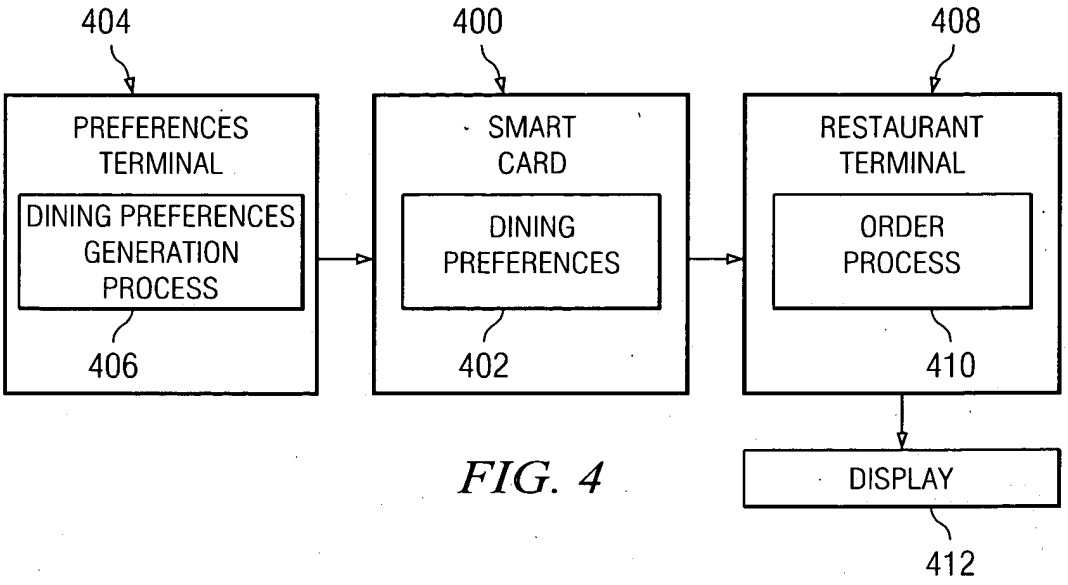

FIG. 4

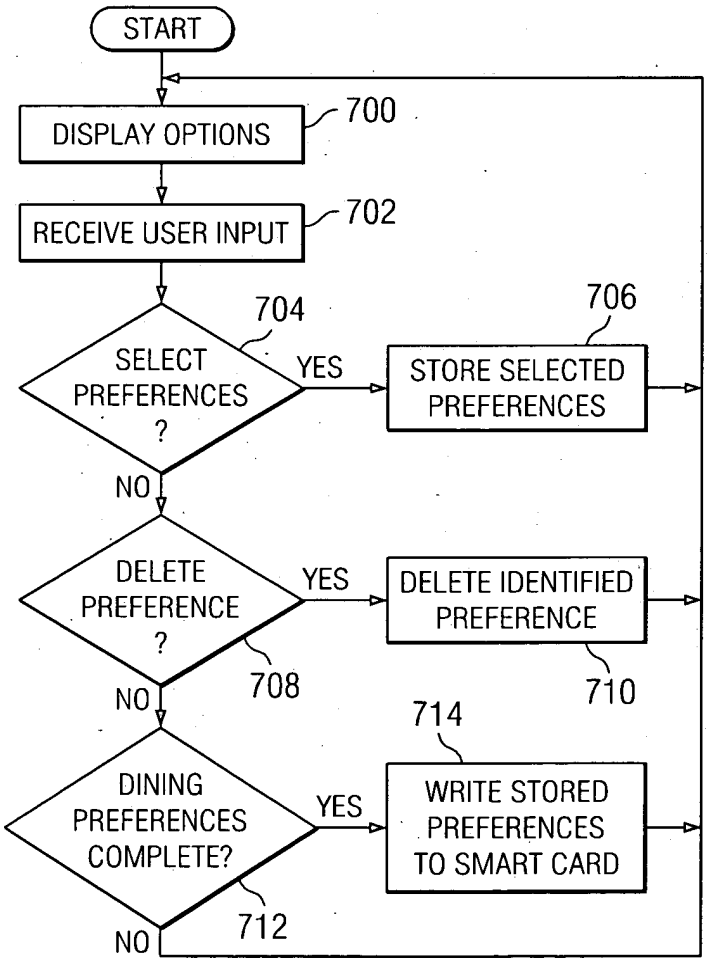

FIG. 7

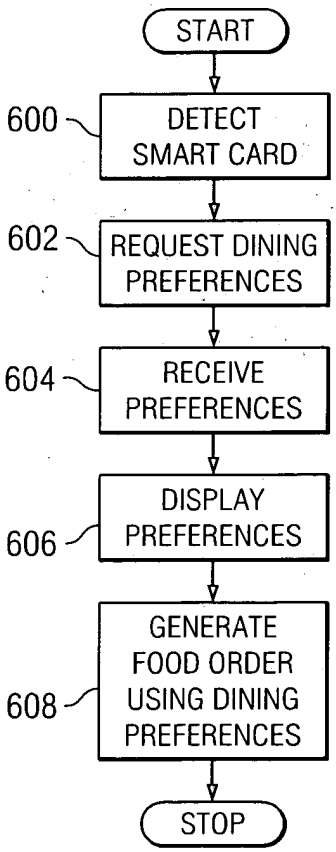

FIG. 6

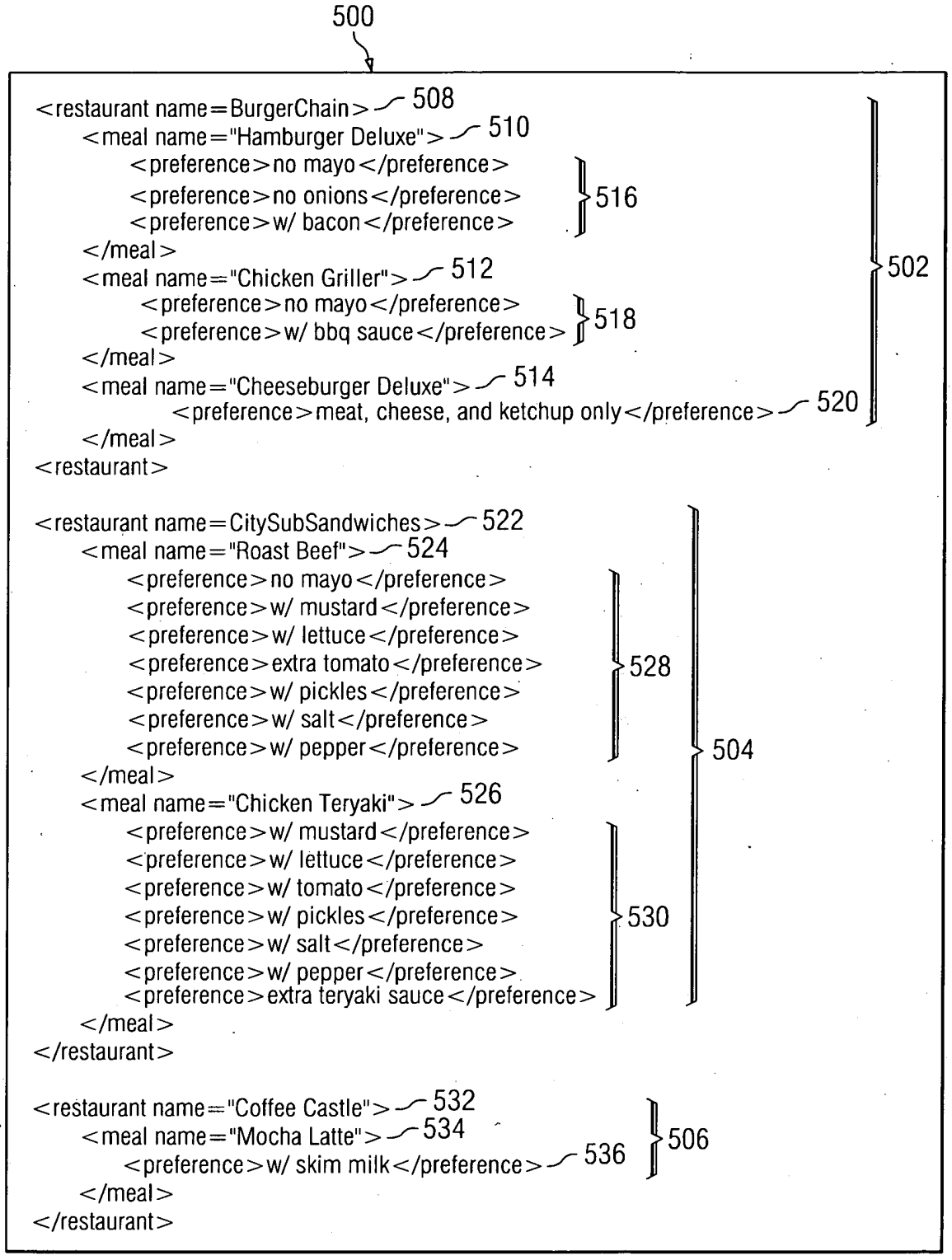
500
<restaurant name=BurgerChain> 508
<meal name="Hamburger Deluxe"> 510
<preference>no mayo</preference>
<preference>no onions</preference>
<preference>w/ bacon</preference>
516
</meal>
<meal name="Chicken Griller"> 512
<preference>no mayo</preference>
<preference>w/ bbq sauce</preference>
518
</meal>
<meal name="Cheeseburger Deluxe"> 514
<preference>meat, cheese, and ketchup only</preference> 520
</meal>
<restaurant>
502
<restaurant name=CitySubSandwiches> 522
<meal name="Roast Beef"> 524
<preference>no mayo</preference>
<preference>w/ mustard</preference>
<preference>w/ lettuce</preference>
<preference>extra tomato</preference>
<preference>w/ pickles</preference>
<preference>w/ salt</preference>
<preference>w/ pepper</preference>
528
</meal>
<meal name="Chicken Teryaki"> 526
<preference>w/ mustard</preference>
<preference>w/ lettuce</preference>
<preference>w/ tomato</preference>
<preference>w/ pickles</preference>
<preference>w/ salt</preference>
<preference>w/ pepper</preference>
<preference>extra teryaki sauce</preference>
530
</meal>
</restaurant>
504
<restaurant name="Coffee Castle"> 532
<meal name="Mocha Latte"> 534
<preference>w/ skim milk</preference> 536
</meal>
</restaurant>
506

FIG. 5

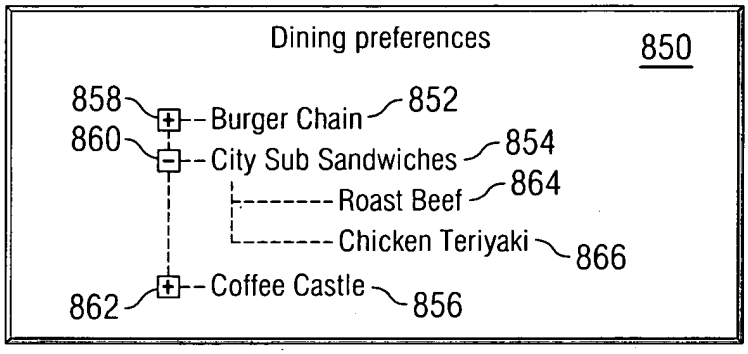
Dining preferences
850
858
Burger Chain
852
860
City Sub Sandwiches
854
Roast Beef
864
Chicken Teriyaki
866
862
Coffee Castle
856

FIG. 8A

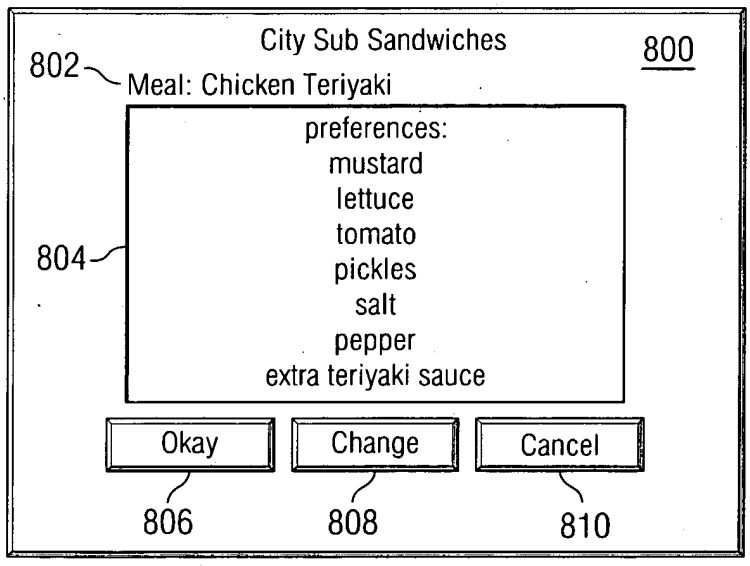
City Sub Sandwiches
800
802
Meal: Chicken Teriyaki
preferences:
mustard
lettuce
tomato
pickles
salt
pepper
extra teriyaki sauce
804
Okay
Change
Cancel
806
808
810

FIG. 8B